1. **3 years ago, the average of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby is:**

   A.5 years

   B.2 years

   C.1 year

   D.4 years

   E.None of these

   Solution

2. **Of the four numbers, the first is twice the second, the second is one-third of the third and the third is 5 times the fourth. The average of the numbers is 24.75. The largest of these numbers is:**

   A.45

   B.25

   C.30

   D.45

   E.None of these

   Solution

Note: The Information Provided here is only for reference. It May vary the Original.

3. **The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girls is 15.4 years. The ratio of the number of boys to the number of girls in the class is:**

A. 1 : 4

B. 2 : 3

C. 3 : 4

D. 4 : 2

E. None of these

Solution

4. **The average price of 10 books is Rs. 12 while the average price of 8 of these books is Rs. 11.75. Of the remaining two books, if the price of one book is 60% more than the price of the other, what is the price of each of these two books?**

A.Rs 10 and Rs 16

B.Rs 12 and Rs 24

C.Rs 24 and Rs 18

D.Rs 28 and Rs 12

E.None of these

Solution

Note: The Information Provided here is only for reference. It May vary the Original.

5. **The average age of 30 boys of a class is equal to 14 years. When the age of the class teacher is included the average becomes 15 years. Find the age of the class teacher?**

A.50

B.44

C.45

D.42

E.None of these

Solution

6. **The Average of marks obtained by 120 candidates in a certain examination is 35. If the average marks of passed candidates is 39 and that of failed candidates is 15, what is the number of candidates who passed the examination?**

A.90

B.100

C.108

D.115

E.None of these

Solution

Note: The Information Provided here is only for reference. It May vary the Original.

7. **The average of 11 results is 50. If the average of first 6 results is 49 and that of last 6is 52, find the sixth result?**

A.55

B.56

C.65

D.62

E.None of these

Solution

8. **The average age of a family of 6 members is 22 years. If the age of the youngest member be 7 years, then what was the average age of the family at the birth of the youngest member?**

A.15

B.18

C.28

D.24

E.None of these

Solution

Note: The Information Provided here is only for reference. It May vary the Original.

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9. **A batsman in his 17th innings makes a score of 85, and thereby increases his average by 3. What is his average after 17 innings?**

A.30

B.37

C.40

D.45

E.None of these

Solution

10. **There were 35 students in a hostel. If the number of students increase by 7, the expenses of the mess increase by Rs 42 per day while the average expenditure per head diminishes by Rs 1. Find the original expenditure of the mess?**

A.450

B.420

C.430

D.410

E.None of these

Solution

1. **The average salary of 90 employees in an organization is Rs.14.500 per month. If the no of executive is twice the no of clerks, then find the average salary of clerk ?**

Note: The Information Provided here is only for reference. It May vary the Original.

1.11,500
2.12,000
3.13,200
4.Can't be determined
5.None of these

Answer & Explanation

2. **The average value of property of Agil, Mugilan and Anitha is Rs.130cr.The Property of Agil is 20cr greater than the property value of Mugilan and Anitha property value is 50cr greater than the Agil property value. The value of property of Anitha is**

1.120cr
2.170cr
3.100cr
4.150cr
5.None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

3. **If the average marks of 1/5th of class is 70% and 2/5th class is 45% and the average mark of remaining class is 60%, then the average % of the whole class is**

1.73%

2.45%

3.62%

4.56%

5.None of these

Answer & Explanation

4. **The average price of 100 mobiles in an electronic shop is Rs.27,000. If the highest and lowest mobiles are sold out then the remaining 98 mobiles average price is 26,400.The cost of lowest mobile is Rs.18,000.Find the cost of highest mobile price**

1.76500

2.94800

3.96400

4.82000

5.None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

5. **There are 10 compartments in passenger train carries on average 15 passengers per compartment. If atleast 15 passengers were sitting in each compartment, no any compartment has equal no of passengers , and any compartment does not exceed the number of average passengers except 10th compartment.Find how many passengers can be accommodated in 10th compartment ?**

1.38

2.51

3.47

4.50

5.None of these

Answer & Explanation

6. **There are five times the number of two wheelers as there are three wheelers. The no of four wheelers are equal to the number of two wheelers. Find the average number of wheel per vehicle ?**

1.5

2.4

3.2

4.3

5.None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

7. **In a particular week the average number of people visited the museum is 70. If we exclude the holidays then the average number is increased by 28. Further if we exclude the day which the maximum of 210 visitors visited the museum, then the average become 40.Find the no of holidays in the week**

1.None

2.One

3.Three

4.Two

5.Can't be determined

Answer & Explanation

8. **Arjun gets 62 marks out of 100 in English, 81 out of 120 in Chemistry and 75 out of 150 in maths. The average marks of Arjun(in %) in all the three subjects is**

1.60%

2.53%

Note: The Information Provided here is only for reference. It May vary the Original.

3.47%

4.72%

5.None of these

Answer & Explanation

9. **The average salary of 120 employees in the bank is Rs.15,000 per month. If the no of assistant is thrice the no of POs and average salary of assistant is 1/3rdof the average salary of POs then find the average salary of POs ?**

1.18,000

2.25,000

3.36,000

4.30,000

5.None of these

Answer & Explanation

10. **In a class of 60 students 23 are girls. The average mark of boys is 45 and average mark of girls is 52. What is the average**

mark of the class?

1.42.7

2.52.2

3.47.7

4.62.1

5.None of these

Answer & Explanation

1. **The average weight of 40 students in a class is 75 kg. By mistake the weights of two students are read as 74 kg and 66 kg respectively instead of 66 kg and 54 kg. Find the corrected average weight of the class**

   a) 73.50 kg

   b) 74.50 kg

   c) 75.50 kg

   d) 76.50 kg

   e) None of these

   Answer & Explanation

2. **The average weight of 40 balls is 5 grams. When the weight of the basket is added to the weight of balls, the average increased by 0.5 grams. Find the weight of the basket.**

   a) 20.5 gm

   b) 22.5 gm

   c) 25.5 gm

   d) 28.5 gm

   e) None of these

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Answer & Explanation

3. **There are 50 students in a hostel. Now the number of students got increased by 8. Due to this the expenses of the mess increased by 30 rupees per day while the average expenditure is decreased by 2 rupees. Find the original expenditure.**
   a) 812.5 rupees
   b) 912.5 rupees
   c) 1012.5 rupees
   d) 1112.5 rupees
   e) None of these

Answer & Explanation

4. **The average age of the class is 15 years. The average age of boys and girls is 13 and 16 years respectively. If the number of girls in the class is 18 then find the number of boys in the class.**
   a) 6
   b) 8
   c) 9
   d) 12
   e) None of these

Answer & Explanation

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5. **A cricketer has an average of 55 after playing 20 innings. How much runs should he scores in the next inning so as to increase the average to 57.**

a) 95

b) 96

c) 97

d) 98

e) None of these

Answer & Explanation

6. **The average marks obtained by 100 candidates in an examination are 45. If the average marks of the passed students are 50 while the average marks of the failed students is 40. Then find the number of students who passed the examination.**

a) 30

b) 40

c) 50

d) 60

e) None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

7. **The average age of 30 students is 16 years. If the age of the teacher is also included then the average age increased by 1 year, find the age of the teacher.**
   a) 45 year
   b) 46 year
   c) 47 year
   d) 49 year
   e) None of these

   Answer & Explanation

8. **The present average age of a family of 5 members is 40 years. If the youngest member of the family is 12 years old, then find the average age of the family at the time of birth of the youngest member.**
   a) 32
   b) 33
   c) 34
   d) 35
   e) None of these

   Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

9. **The average age of a husband and wife at the time of marriage is 22 years. After 3 years, they have a one year old child. Find the average age of the family of three at the time of birth of the child.**

a) 14 years

b) 15 years

c) 16 years

d) 17 years

e) None of these

Answer & Explanation

10. **In a certain year the average monthly salary of a person is 5000 rupees. If for the first 7 months the average salary is 5300 and for the last 6 months, the average salary is 4600 rupees. Find the income of the person in 7th month.**

a) 3700

b) 4700

c) 5700

d) can't be determined

e) None of these

Answer & Explanation

1. **The average age of a husband and his wife was 25 years when they were married 7 years ago. Now the average age of husband, wife and his son is 23 years. Find the age of son now.**

1.3yr

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2.4yr
3.5yr
4.6yr
5.None of these

Answer & Explanation

2. **The average of 10 reading is 25.5. In this the average of first three is 20 and the next four is 26. If the eight reading is 5 less than the night one and also 8 less than the tenth one, then find the eight reading?**

1.22
2.24
3.26
4.28
5.None of these

Answer & Explanation

3. **The average of first and second number is 25 more than the average off the second and third number. Find the difference**

between the first and the third number

1.20

2.30

3.40

4.50

5.None of these

Answer & Explanation

4. **In a hostel there are 30 students and if the number of students increased by 5 then the expense is increased by 40 per day. But the average expenditure diminishes by 3. Find the original expenditure.**

1.810

2.870

3.910

4.950

5.None of these

Answer & Explanation

5. **The average age of a class is 19 years. While the average age of boys is 20 and the average age of girls is 17. If the number of boys is 20 then find the number of girls in the class**

1.10

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2.15
3.16
4.18
5.None of these

Answer & Explanation

6. **The average age of a family of 4 members 3 years ago is 21 years. A baby is born and now the average age of the family is same as before. Find the age of baby.**
1.8yrs
2.9yrs
3.10yrs
4.11yrs
5.None of these

Answer & Explanation

7. **The average height of 50 students in a class is 165cm. On a particular day, three students P,Q and R are absent, so the average of the remaining students becomes 163cm. If the**

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height of P and Q is equal and height of R is 2 cm less than P, then find the height of P.

1.187

2.192

3.197

4.198

5.None of these

Answer & Explanation

8. **The average age of a committee of 12 members is 48 years. A member of the committee age 62 retired and in place of him a new person aged 26 joined the committee. Find the new average of the committee.**

1.44

2.45

3.46

4.48

5.None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

9. **The average weight of 12 people gets increased by 3.5kg when a person weighs 56 kg got replaced by another man. Find the weight of the new man**

1.90kg

2.92kg

3.96kg

4.98kg

5.None of these

Answer & Explanation

10. **In an examination the average marks of risha is 74. If she got 16 more marks in hindi and 20 more marks in English then her average would have been 78. Find the total number of subjects he studied?**

1.7

2.8

3.9

4.10

5.None of these

Answer & Explanation

1. **While calculating the weight of a group of men, the weight of 63 kg of one of the member was mistakenly written as 83 kg. Due to this the average of the weights increased by half kg. What is the number of men in the group?**

A) 25

B) 20

C) 40

Note: The Information Provided here is only for reference. It May vary the Original.

D) 60

E) 24

Answer & Explanation

2. **A cricketer had an average number of runs as 32 after playing 10-innings. If he wants to make his average run rate increased by 4, then how much runs will he have to take in his next inning?**

A) 66

B) 84

C) 62

D) 76

E) 72

Answer & Explanation

3. **The average temperature in Delhi for the first four days of the month was reported as 58°. It reported as 60° for 2nd, 3rd, 4th and 5th days. The ratio of the temperatures of 1st and 5th day was 7 : 8. Find the temperature on the first day.**

A) 42°

B) 46°

C) 63°

Note: The Information Provided here is only for reference. It May vary the Original.

D) 68°

E) 56°

Answer & Explanation

4. **For three successive years, the cost of petrol were Rs 20 per litre, Rs 22 per litre and Rs 23.50 per litre respectively. If a man spent an average of Rs 8000 per year on petrol, then he spent what average cost of petrol per litre for the three years?**

A) Rs 20

B) Rs 25.3

C) Rs 28.2

D) Rs 21.7

E) None of these

Answer & Explanation

5. **In a group of 8 boys, 2 men aged at 21 and 23 were replaced two new boys. Due to this the average cost of the group increased by 2 years. What is the average age of the 2 new boys?**

A) 17

Note: The Information Provided here is only for reference. It May vary the Original.

B) 30
C) 28
D) 23
E) 18

Answer & Explanation

6. **The average age of the group having 3 members is 84. One more person joins the group and now the average becomes 80. Now a fifth person comes whose age is 3 years more than that of fourth person replaces the first person. After this the average age of the group becomes 79. What is the weight of the first person?**

A) 75
B) 65
C) 68
D) 82
E) 85

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

7. **3 years ago, the average age of A, B, and C was 27 years. Also 5 years ago, the average age of B and C was 20 years. What is the present age of A?**

A) 42
B) 40
C) 34
D) 35
E) 48

Answer & Explanation

8. **Average age of girls in a class is 16 years. If the average of the boys in class is also added, the average becomes 15.5 years. If there were 20 boys in the class with average age 15 years, how many girls were there in the class?**

A) 15
B) 40
C) 20
D) 25
E) 30

Answer & Explanation

9. **In a class, the average marks got by number of students in English is 52.25. 25% students placed in C category made the**

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average of 31 marks, while 20% who were placed in A category made the average of 80 marks. Find the average marks of the remaining students?

A) 50

B) 52.2

C) 51

D) 51.8

E) 48.8

Answer & Explanation

10. **The average of 5 numbers is 40. Average of first two and last two is 25 and 45 respectively. Find the middle number.**

A) 60

B) 45

C) 30

D) Cannot be determined

E) None of these

Answer & Explanation

1. **If a man spends 1000rs for the first five months, 2000rs for the next four months and 3000rs for the next 3 months and he saves 2000rs in the whole year then his average monthly salary will be ?**

a) 1000

b) 2000

c) 3000

d) 4000

Answer

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2. **In a family of 6 members, the average age of the family at present is 25 while the age of the youngest member in the family is 5yrs, so what will be the average age of the family at the time of his birth ?**

   a) 21

   b) 22

   c) 23

   d) 24

   Answer

3. **The average temperature for the the first 5 month of the year is 40'c and the average temperature from second to sixth month is 42'c and the ratio b/w the temperature of 1st day and the 6th day is 3:4, find the temperature of the sixth day ?**

   a) 30

   b) 40

   c) 45

   d) 50

   Answer

Note: The Information Provided here is only for reference. It May vary the Original.

4. **The average age of A and B 10 years ago was 20. The average age of A, B and C today is 30, so what will be the age of C after 5 years.**
   a) 25
   b) 35
   c) 45
   d) 50

   Answer

5. **The average age of 5 children of a family is 10 years but if we include the age of father and mother then the average age becomes 22 years. It is given that father age is 6 years more than the mother so what will be the age of mother at present.**
   a) 47
   b) 48
   c) 49
   d) 50

   Answer

Note: The Information Provided here is only for reference. It May vary the Original.

6. **The batting average of a batsman for 20 innings is 35 and the difference b/w the runs of best inning and worst inning is 50. If these two innings are not included the average becomes 32 for 18 innings. The best score of the batsman is.**
   a) 91
   b) 77
   c) 87
   d) 82

   Answer

7. **The average age of a class of 20 students is 12 years. Out of which one student whose age is 10 year left the class and two new boys entered the class. The average of the class remains the same and the difference between the ages of new boys is 4 year. What will be the age of younger one .**
   a) 8
   b) 9
   c) 10
   d) 11

   Answer

Note: The Information Provided here is only for reference. It May vary the Original.

8. **The average marks secured by 15 students are 70 and later it was found that one entry is wrong and 65 is written instead of 45. Find out he corrected average.**
   a) 67.66
   b) 68.66
   c) 69.66
   d) 70

   Answer

9. **The average salary of all the workers in factory is 7000. The average salary of 9 mechanic is 5000 and for the rest of the workers it 4000. Find the total number of workers in the factory.**
   a) 10
   b) 11
   c) 12
   d) 13

   Answer

10. **The average age of a couple at the time of marriage was 20 years. After 8 years of marriage they have a baby of 4 years old. Calculate the average age of the family when the baby was born.**
   a) 16
   b) 15

Note: The Information Provided here is only for reference. It May vary the Original.

C) 17

d) 18

Answer

1. **The average of four consecutive ODD number is 28.Find the largest number.**

A)25

B)31

C)13

D)27

Answer

$$\frac{x+(x+2)+(x+4)+(x+6)}{4}=28$$

$$4x+12=28\times4=>112$$

$$x=(112-12)/4=100/4=25$$

largest number$x+6=25+6=$**31**

2. **Find the average of first 60 natural numbers**

A)30.5

B)31

C)31.5

D)32

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

sum of 1st 60 natural number $= \frac{n(n+1)}{2}$

$= \frac{60\times61}{2} = 1830$

Average $= \frac{1830}{60} = \mathbf{30.5}$

3. **Find the average of 13+26+39+.....+260**

A)136.5

B)136

C)137

D)135

Answer

: $\frac{13(1+2+3+\cdots20)}{20\times2} = \frac{13\times20\times21}{40}$

$= \frac{5460}{40} = \mathbf{136.5}$

4. **The average of five number is 42 ,if one number is excluded the average become 35.The excluded number is**

A)7

B)40

C)70

D)20

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

: $\frac{x}{5} = 42 => 42 \times 5 = 210$
$\frac{x}{4} = 35 => 35 \times 4 = 140$
210-140=**70**

5. **The average age of 30 students in a class is 20 years.The average age of 25 students is 15.What is the average age of remaining students**

A)42

B)54

C)34

D)45

Answer

Sum of age of 15 students=(40×20)-(25×15)=600-375=225
Average=225/5=**45**

6. **The average of nine number is x and the average of three of these is y,if the average of the remaining three is z,then**

A)3x=y+z

B)2x=y+z

C)x=3y+3z

D)None of these

Answer

$$x = \frac{3y+3z}{9} => 3x = y + z$$

7. **If a,b,c,d,e,f,g are seven consecutive odd number,their average is**

A)(a+6)

B)(abcdefq/7)

C)(a+b+c+d+e+f+g)/7

D)None of these

Answer

$$\text{average} = \frac{a+(a+2)+(a+4)+(a+6)+(a+8)+(a+10)+(a+12)}{7}$$
$$= \frac{7a+42}{7} = \mathbf{a+6}$$

8. **The mean of 1,8,27,64,125.....1728**

A)650

B)560

C)600

D)605

Answer

$$\text{Sum of cube numbers} = \frac{n(n+1)(2n+1)}{6} = \frac{12\times13\times25}{6}$$
$$= \frac{3900}{6} = 650$$

9. **4 years ago ,the average age of a family of 6member was 20 years.A baby having been born,the average age of the family is same today.The present age of the baby**

A)1

B)3

C)2

D)4

Answer

Total age of 6 members(4 years ago) = 20×6 = 120
Now total age of the family = 120+(4×6) => 120+24
= 144

Total age of 7 member(now) = 20×7= 140
Age of the baby = 144-140=4

10. **Average of ten positive numbers is x.If each number is increased by 12% then x is incresed by**

A)5%

B)12%

C)10%

D)25%

Answer

1. **The average age of Husband and wife was 30yr, 4 yr ago. What will be their average age at present ?**

A)30

B)34

C)Cannot be determined

D)None of these

Answer

2. **The average weight of 20 students is 60kg.If the weight of the teacher is added, average is increased by 2kg.What was the teacher's weight ?**

A)100kg

B)101kg

Note: The Information Provided here is only for reference. It May vary the Original.

C)102kg
D)103kg

Answer

3. **The average mark in 2 subjects is 35 and in three other subject is 40.Then find the average mark in all the five matches ?**
A)37
B)37.5
C)36
D)38

Answer

4. **The average height of 15 students is calculated as 75. But later it was found that the height of 1 student wrongly entered as 35 instead of 38 and another as 46 instead of 63.The correct average is**
A)71
B)73
C)75
D)76

Note: The Information Provided here is only for reference. It May vary the Original.

Answer

5. **Among the three number the first is thrice the third number and second number is half of the first number. If the average of the three number is 65.8 then find the third number**

A)35.56

B)35.85

C)35.89

D)35.69

Answer

6. **The average weight of 3 students P,Q and R is 84kg.Anothe students S joins the group and the average becomes 80kg. If another man T whose weight is 3kg more than that of S, replaces P, then the average weight of Q,R,S and T becomes 79 kg then the weight of P is**

A)75

B)82

C)45

D)98

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

7. **The average of 5 consecutive number is 58.Find the first number ?**

A)55

B)56

C)57

D)58

Answer

8. **The average weight of 8 staff is increased by 3kg when one of them whose weight is 50kg is replaced by a new staff. The weight of the new staff is**

A)50

B)64

C)76

D)74

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

9. **The average age of 15 army men is 60yrs.5 new army men of average age 30yrs join them. Find the new average age**

A)51.5

B)52.5

C)55.2

D)55.8

Answer

10. **The average ages of 4 member, each having the age difference of 2yrs is 54 yrs.What is the sum of the youngest and oldest family member ?**

A) 102

B) 105

C) 107

D) 108

Answer

1. **The average of four consecutive ODD number is 28.Find the largest number.**

A)25

B)31

C)13

D)27

Note: The Information Provided here is only for reference. It May vary the Original.

Answer

$$\frac{x+(x+2)+(x+4)+(x+6)}{4}=28$$

$$4x+12=28\times4=>112$$

$$x=(112-12)/4=100/4=25$$

largest number$x+6=25+6=$**31**

2. **Find the average of first 60 natural numbers**

A)30.5

B)31

C)31.5

D)32

Answer

sum of 1st 60 natural number$=\frac{n(n+1)}{2}$

$$=\frac{60\times61}{2}=1830$$

$$\text{Average}=\frac{1830}{60}=\mathbf{30.5}$$

3. **Find the average of 13+26+39+.....+260**

A)136.5

B)136

C)137

D)135

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

: $\frac{13(1+2+3+\cdots 20)}{20\times 2} = \frac{13\times 20\times 21}{40}$

$= \frac{5460}{40} = 136.5$

4. **The average of five number is 42 ,if one number is excluded the average become 35.The excluded number is**

A)7

B)40

C)70

D)20

Answer

: $\frac{x}{5} = 42 => 42 \times 5 = 210$

$\frac{x}{4} = 35 => 35 \times 4 = 140$

210-140=**70**

5. **The average age of 30 students in a class is 20 years.The average age of 25 students is 15.What is the average age of remaining students**

A)42

B)54

C)34

D)45

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

Sum of age of 15 students=(40×20)-(25×15)=600-375=225
Average=225/5=45

6. **The average of nine number is x and the average of three of these is y,if the average of the remaining three is z,then**
   A)3x=y+z
   B)2x=y+z
   C)x=3y+3z
   D)None of these

   Answer

$$x = \frac{3y+3z}{9} => 3x = y + z$$

7. **If a,b,c,d,e,f,g are seven consecutive odd number,their average is**
   A)(a+6)
   B)(abcdefg/7)
   C)(a+b+c+d+e+f+g)/7
   D)None of these

   Answer

$$\text{average} = \frac{a+(a+2)+(a+4)+(a+6)+(a+8)+(a+10)+(a+12)}{7}$$
$$= \frac{7a+42}{7} = \mathbf{a+6}$$

8. **The mean of 1,8,27,64,125.....1728**
   A)650
   B)560

C)600

D)605

Answer

$\therefore$ Sum of cube numbers $= \frac{n(n+1)(2n+1)}{6} = \frac{12\times13\times25}{6}$

$= \frac{3900}{6} = \mathbf{650}$

9. **4 years ago ,the average age of a family of 6member was 20 years.A baby having been born,the average age of the family is same today.The present age of the baby**

A)1

B)3

C)2

D)4

Answer

Total age of 6 members(4 years ago)= $20\times6=120$

Now total age of the family $= 120+(4\times6) \Rightarrow 120+24$

$= 144$

Total age of 7 member(now) $= 20\times7=140$

Age of the baby $= 144-140=4$

10. **Average of ten positive numbers is x.If each number is increased by 12% then x is incresed by**

A)5%

B)12%

C)10%

D)25%

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

1. **The average of four consecutive ODD number is 28.Find the largest number.**

   A)25

   B)31

   C)13

   D)27

   Answer

$$\frac{x+(x+2)+(x+4)+(x+6)}{4}=28$$

$$4x+12=28\times4=>112$$

$$x=(112-12)/4=100/4=25$$

largest number$x+6=25+6=$**31**

2. **Find the average of first 60 natural numbers**

   A)30.5

   B)31

   C)31.5

   D)32

   Answer

sum of 1st 60 natural number$=\frac{n(n+1)}{2}$

$$=\frac{60\times61}{2}=1830$$

$$\text{Average}=\frac{1830}{60}=\mathbf{30.5}$$

3. **Find the average of 13+26+39+.....+260**

   A)136.5

   B)136

C)137

D)135

Answer

: $\frac{13(1+2+3+\cdots 20)}{20\times 2} = \frac{13\times 20\times 21}{40}$

$= \frac{5460}{40} = \mathbf{136.5}$

4. **The average of five number is 42 ,if one number is excluded the average become 35.The excluded number is**

A)7

B)40

C)70

D)20

Answer

: $\frac{x}{5} = 42 => 42 \times 5 = 210$

$\frac{x}{4} = 35 => 35 \times 4 = 140$

210-140=**70**

5. **The average age of 30 students in a class is 20 years.The average age of 25 students is 15.What is the average age of remaining students**

A)42

B)54

C)34

D)45

Answer

Sum of age of 15 students=(40×20)-(25×15)=600-375=225
Average=225/5=45

6. **The average of nine number is x and the average of three of these is y,if the average of the remaining three is z,then**
   A)3x=y+z
   B)2x=y+z
   C)x=3y+3z
   D)None of these

Answer

$$x = \frac{3y+3z}{9} => 3x = y + z$$

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   A)(a+6)
   B)(abcdefg/7)
   C)(a+b+c+d+e+f+g)/7
   D)None of these

Answer

$$\text{average} = \frac{a+(a+2)+(a+4)+(a+6)+(a+8)+(a+10)+(a+12)}{7}$$
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8. **The mean of 1,8,27,64,125.....1728**
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Answer

$\therefore$ Sum of cube numbers $= \frac{n(n+1)(2n+1)}{6} = \frac{12\times13\times25}{6}$

$= \frac{3900}{6} = 650$

9. **4 years ago ,the average age of a family of 6member was 20 years.A baby having been born,the average age of the family is same today.The present age of the baby**

A)1

B)3

C)2

D)4

Answer

Total age of 6 members(4 years ago) = 20×6 = 120

Now total age of the family = 120+(4×6) => 120+24

= 144

Total age of 7 member(now) = 20×7= 140

Age of the baby = 144-140=4

10. **Average of ten positive numbers is x.If each number is increased by 12% then x is incresed by**

A)5%

B)12%

C)10%

D)25%

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

1. **The arithmetic mean of the scores of a group of students in a test was 52. The brightest 20% of them secured a mean score of 80 and the dullest 25% a mean score of 31. The mean score of remaining 55% is:**

A.51.4

B.52.6

C.56.1

D.55.3

E.None of these

Answer

2. **The average of a non-zero number and its square is 5 times the number. The number is:**

A.0 , 7

B.0 , 6

C.5 , 7

D.0 , 9

E.None of these

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

3. **If the mean of a, b, c is M and ab + bc + ca = 0, then the mean of a^2, b^2, c^2 is:**

A.3 M x M

B.3 M

C.9 M

D.9 M x M

E.None of these

Answer

4. **The average weight of 8 persons increases by 2.5 kg when a new person comes in place of one them weighing 65 kg. What might be the weight of the new person?**

A.65 kg

B.70 kg

C.85 kg

D.92 kg

E.None of these

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

5. **The average age of the boys in a class is 16 years and that of the girls is 15 years. The average age for the whole class is:**

A.15

B.16

C.17

D.Data inadequate

E.None of these

Answer

6. **A cricketer has completed 10 innings and his average is 21.5 runs. How many runs must he make in his next innings so as to raise his average to 24?**

A.44

B.45

C.49

D.48

E.None of these

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

7. **1/3 rd of certain journey is covered at the rate of 25 km/hr, 1/4 th at the rate of 30 km/hr and rest at 50 km/hr. Find the averae speed for the whole journey?**

A.31 1/3 km/hr

B.30 1/3 km/hr

C.33 1/3 km/hr

D.34 1/3 km/hr

E.None of these

Answer

$$\frac{a}{3 \times 25} + \frac{a}{4 \times 30} + \frac{5a}{12 \times 50} = \frac{18a}{600} = \frac{3a}{100}$$

$$\frac{a}{3a/100} = \frac{100}{3} = 33\ 1/3 \text{ km/h}$$

8. **The average of six numbers is 3.95. The average of two of them is 3.4, while the average of the other two is 3.85. What is the average of the remaining two numbers?**

A.4.2

B.4.6

C.5.1

D.5.6

Answer

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9. **The average salary of the entire staff in a office is Rs 120 per month. The average salary of officers is Rs 460 and that of non officer is Rs 110. If the number of officer is 15, then find the number of non-officer in the office?**

A.450

B.550

C.510

D.520

E.None of these

Answer

10. **Find the average of first 20 multiple of 7?**

A.71.5

B.73.5

C.75.2

D.76.6

E.None of these

Answer

1. **3 years ago, the average of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby is:**

A.5 years

B.2 years

Note: The Information Provided here is only for reference. It May vary the Original.

C.1 year
D.4 years
E.None of these

Solution

2. **Of the four numbers, the first is twice the second, the second is one-third of the third and the third is 5 times the fourth. The average of the numbers is 24.75. The largest of these numbers is:**

A.45
B.25
C.30
D.45
E.None of these

Solution

3. **The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girls is 15.4 years. The ratio of the number of boys to the number of girls in the class is:**

Note: The Information Provided here is only for reference. It May vary the Original.

A. 1 : 4
B. 2 : 3
C. 3 : 4
D. 4 : 2
E. None of these

Solution

4. **The average price of 10 books is Rs. 12 while the average price of 8 of these books is Rs. 11.75. Of the remaining two books, if the price of one book is 60% more than the price of the other, what is the price of each of these two books?**

A.Rs 10 and Rs 16
B.Rs 12 and Rs 24
C.Rs 24 and Rs 18
D.Rs 28 and Rs 12
E.None of these

Solution

5. **The average age of 30 boys of a class is equal to 14 years. When the age of the class teacher is included the average**

becomes 15 years. Find the age of the class teacher?

A.50

B.44

C.45

D.42

E.None of these

Solution

6. **The Average of marks obtained by 120 candidates in a certain examination is 35. If the average marks of passed candidates is 39 and that of failed candidates is 15, what is the number of candidates who passed the examination?**

A.90

B.100

C.108

D.115

E.None of these

Solution

7. **The average of 11 results is 50. If the average of first 6 results is 49 and that of last 6is 52, find the sixth result?**

A.55

B.56
C.65
D.62
E.None of these

Solution

8. **The average age of a family of 6 members is 22 years. If the age of the youngest member be 7 years, then what was the average age of the family at the birth of the youngest member?**
A.15
B.18
C.28
D.24
E.None of these

Solution

9. **A batsman in his 17th innings makes a score of 85, and thereby increases his average by 3. What is his average after 17 innings?**
A.30

Note: The Information Provided here is only for reference. It May vary the Original.

B.37

C.40

D.45

E.None of these

Solution

10. **There were 35 students in a hostel. If the number of students increase by 7, the expenses of the mess increase by Rs 42 per day while the average expenditure per head diminishes by Rs 1. Find the original expenditure of the mess?**

A.450

B.420

C.430

D.410

E.None of these

Solution

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